

IN THE CLAIMS

Please cancel claim 56.

Please amend the claims to read as indicated herein.

1 - 32. (Canceled)

33 - 52 (Withdrawn)

B1
53. (Currently amended) A multi-mirror system for an illumination system for lithography with wavelengths ≤ 193 nm, said multi-mirror system comprising an imaging system having:

an object plane;
an image plane in which said imaging system forms an image of an object;
an arc-shaped field in said image plane;
a normal incidence mirror in an optical path from said object plane to said image plane; and
a field forming optical component in said path after said normal incidence mirror for producing said arc-shaped field, wherein said field forming optical component ~~comprises a mirror~~ includes a grazing incidence mirror having negative optical power.

54. (Previously added) The multi-mirror system of claim 53, wherein said object is an arbitrary field in said object plane.

55. (Previously added) The multi-mirror system of claim 54, wherein said arbitrary field is a rectangular field, and said rectangular field is formed into said arc-shaped field by said field forming optical component.

56. (Canceled)

57. (Withdrawn)

58. (Currently amended) The multi-mirror system of claim 53,
wherein said normal incidence mirror is a first normal incidence mirror, and

wherein said imaging system further comprises a second normal incidence mirror in said optical path between said first normal incidence mirror and said field forming optical component,
and
~~wherein said mirror of said field forming optical component is a grazing incidence mirror.~~

59. (Previously added) The multi-mirror system of claim 53, further comprising a field stop located in said object plane.

60. (Previously added) The multi-mirror system of claim 54, wherein said arbitrary field is imaged by said imaging system and has a magnification ratio unequal to 1.

61. (Previously added) The multi-mirror system of claim 53, wherein said normal incidence mirror is aspheric.

B)
62. (Previously added) The multi-mirror system of claim 53, wherein said field forming optical component is positioned close to said image plane.

cont
63. (Currently amended) The multi-mirror system of claim 53,
wherein said normal incidence mirror defines an axis of rotation,
~~wherein said mirror of said field forming optical component is a first grazing incidence mirror,~~
~~wherein said field forming optical component further comprises a second grazing incidence mirror,~~
wherein said normal incidence mirror, and said first grazing incidence mirror and said second grazing incidence mirror each have a used area upon which a ray traveling through said imaging system impinges, and
wherein said used area of said normal incidence mirror, and said used area of said first grazing incidence mirror and said used area of said second grazing incidence mirror are off-axis with respect to said axis of rotation.

64. (Withdrawn)

65. (Withdrawn)